

# Surface Disinfectants Effective against Bovine Tuberculosis

## - Information for Dairy Producers and Allied Industries -

June 2002

Update 1

No. 8

Fact Sheet

*Mycobacterium bovis*, the bacterium that causes bovine tuberculosis (TB), is very resistant to destruction by disinfectants. Any product that is used to disinfect surfaces potentially contaminated with *Mycobacterium bovis* must be labeled as "tuberculocidal" or "effective against *Mycobacterium tuberculosis*".

**Use all disinfectants according to manufacturer's directions, and follow all precautionary steps to assure worker safety.** Disinfectants are not cleaners, so remove all

organic material from the area before using disinfectants. The ability of a disinfectant to destroy TB can be affected by organic material, bacterial load, type of surface, temperature, disinfectant concentration, and contact time. (Contact time is the amount of time the disinfectant is in contact with the surface to be disinfected.) In general, higher disinfectant concentrations and/or increased contact time will be required for areas contaminated with high concentrations of bacteria, on rough or porous surfaces, in cool temperatures (wintertime), and when unable to remove all organic material.

Products approved for use against TB in California livestock facilities *				
Disinfectant		CDPR Registration	Manufacturer	Other Comments
Sodium Chlorite	Clidox-S	8714-8-AA	Pharmacal Research Labs	8.5% NaOCl; Mix activator, water, and base according to label
	Ultra Clorox Regular Bleach	5813-50-AA	Clorox Company	6.0% NaOCl; Mix 1 part bleach with 9 parts water; 5 minute contact time
Phenols	TB-Cide Plus	11725-8-AA-5741	Spartan	Excellent detergent;10 minute contact time
	Tek-Trol	11725-7-AA	BIO-TEK	Excellent detergent;10 minute contact time
	TEK-PHENE	11725-8-AA	BIO-TEK	Excellent detergent;10 minute contact time
	Advantage 256	66171-1-AA-346	Preserve International	Excellent detergent;10 minute contact time
Iodine Releasing	Iofec-20	4959-15-ZA-134	Hess & Clark	Boot baths, buildings, equipment

\* Check product labels for specific site and use information; phenols should not be used in milk parlors or milk lines

*Disclaimer: Mention of trade names does not constitute a guarantee or warranty of the product by CDFA. CDFA bears no responsibility for liability resulting from the use of the described products. Additional approved products may be available.*

## Animal Health and Food Safety Services

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